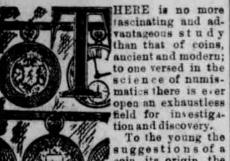
RELATION OF NUMISMATICS TO HISTORY AND EDUCATION.

Noted Coin Museums-Collections of Incalculable Value-Importance of Numismatics as an Aid to the Study of History -Ancient, Mediæval and Modern Coins-



field for investigation and discovery.

To the young the suggestions of a coin, its origin, the devices and legends upon it, lend a 10mantic tinge to im-

agination, and this prompts the study of history and its kindred branches, lead-ing to the acquirement of information such as the routine of schools will never furnish. As measures are now being taken to change designs upon all coins of the United States, the numismatic knowledge of the metallic currency now in circulation in our country is most im-

The word numismatics, from the Latin, numisma, a coin, relates not to the actual metal value of any piece, but to its connection with history as illustrated by the

image or superscription thereon.

The science of numismatics is, in Europe, considered of such importance and interest that most of the principal cities possess immensely valuable numismatic collections. Paris, London, Ber-Vn, St. Petersburg, Munich, Vienna, Co-

THE SCIENCE OF COINS. | vast legions of Rome once occupied all ed earth, we can understand how excavations, now continually being made, fur-

low price. Electrotypes are made of the very rare pieces, but these are sold as

Medals and medallions are large metal pieces struck in dies, on both sides, not for use as money, but to commemorate

A medallet is a small medal, usually, though not always, inferior in beauty or design to a medal.

A token is generally of the size of a current coin of the time and country, issued by a private person or firm. The obverse of a piece is that side which bears the postrait or principal design indicating the country, nation, or

object for which it was struck. .

Types are differences in design on coins struck for the same general object and purposes.

very slight, as in size of letters or dis- DEMPTION OF ZION. tances between them and such trifling variations.

The Field, on a coin or medal, is the open space on the piece not occupied by a device or inscription. The Legend is any inscription other than the name of the person represented

COINS OF THE BIBLA The Jewish people possessed no posterive coinage until the time of their subjection to the kings of Syria, of the Seleucidan dynasty, about B. C. 312, when Greek currency, established throughout the East since the Macedonian conquest, match nish us with the plenteous supply of original pieces in our possession to-day.

A collection is within the reach of almost any one. Reliable numismatists furnish truly original ancient coins at a function of the Electrotypes are made of the caused the revolt of Mattathias, the chief caused the revolt of Mattathias, the chief caused the revolt of Mattathias and Caused the Read Section 1988 and very rare pieces, but these are sold as such, not as veritable coinsge.

Numismatic Terms.—A coin is a lished the long-lost independence of Judea, and to his successor, Simon, was device, and designed for circulation as conceded by Antiochus, the son of Deme-money.

Medals and medallions are large metal money, the earliest of which was issued about B. C. 144, in pieces of one, two, and four silver shekels, bearing different types, but all relating to the ceremonial of Judaic worship.

Of the illustration Of the illustrations:

No. I is a SHEKEL of Simon Maccabeus. Obverse: A cup or chalice, so glad to g Legend: Shekel of Ishael. Year II. glad I went.

Reverse: A triple lily. Legend: JEEUSALEM THE HOLY. Time, B. C. 144.

2. HALF-SHEKEL: Same date and similar to No. 1 except in denomination.

3. A SIXTH-SHEKEL: Copper. Same date. Obverse: A cup or chalice, Ledate. Obverse: A cup or chalice, Ledate. Mamma—Now, don't The Reverse, of course, means the opposite side. The Head or Portrait, on a piece is said to face to the right or left, Reverse: A bundle of branches between with reference to the observer's right or two ethrogs. Legend: IN THE FOURTS

4. Copper coin: Same date. Obverse: Two bunches of thickly leaved branches. Legend: IN THE FOURTH YEAR—ONE-Varieties means where the variation HALP. Reverse: Palm tree between in two coins of same value and period is two baskets of dates. Legend: THE RE-

> 5. COPPER COIN, same date. Obverse: Legend, Simon, PRINCE OF Is-RAEL, on either side of a palm tree. Reverse: A vine-leaf surrounded by the Legend: FIRST YEAR OF THE REDEMP.

TION OF ISRAEL.

6. COPPER COIN. Same date. Obverse: Two bundles of branches. Legend: IN THE FOURTH YEAR—ONE QUARTER.



penhagen, Stockholm, Florence, and gends, titles, etc., on the coin or medal. Reverse: An ethrog. Legend, same as Madrid all have noted coin museums, It is a general term.

the collections being of untold value: A Mint Mark is a private mark placed 7. COPPER COIN of Simon, son of the collections being of untold value; and numismatic societies the members on a coin by the mint issuing it, to indi-of which are the most renowned among cate its genuineness, place of coinage, or the learned men of the earth. The in- other purpose. centive which is given, by cultivation of this taste for study of history, as well as determined by a scale of sixteenths of the Deliverance of Israel, the assistance thereto afforded by it, has an inch; thus, a medal "of size 24," meas- 8. Silver Coin of Simon been always appreciated by advanced ures 24 sixteenths of an inch in diameter teachers as an invaluable aid to educa- across its face. tion, and not only in illustrating but borne a more important part.

Coins are divided by numismatists into three grand classes: Ancient, from earliest existence, 700

B. C., to the deposition of Romulus Augustus, A. D. 476, Mediaval (Middle Ages), from the above period to the Reformation, A. D.

1517.

Modern, from the Reformation to the

present time.

The mediaval and modern are, almost without exception, imitations of the ancient, and the coins of these later centuries show little or nothing of superiority in our civilized artists over the magnificent coinages of Greece and Rome, struck more than 2,000 years ago.

Every range that mind may take into the far past is furnished with substantial and abundant suggestion, and reliable information by study of the coins of

antiquity.

The rulers, male and female; their births, marriages, triumphs, their victories in art, love and war, their deaths are all recorded upon these pieces of metal. Religious sentiments and changes, manners of dress and ceremonials, equipages, weapons, furniture, etc., etc., are plainly delineated upon their coins and medals Even the character of the individual of whom the piece is commemorative may be cosely arrived at. Some place but their plain effigy, or have it in connection with members of their own family; others celebrate their triumphs, and appear proudly crowned with Isurels, while still others deify themselves and pose as Jupiter, Hercules and gods of their time.

Mythology largely lends its aid in beautifying these coins and medals, and its fascinations increase the romantic interest which their possession or the knowledge of them through illustration and

description excites.

The Bible student finds much to carry his mind back to the very earliest period and subsequent growth of revealed religion in this pursuit, for coins of the Christian types, such as the labrum, or standard bearing the cross, are found from the date of the reign of Constantine onwards, and on one coin of Vetranio is seen the celebrated lesend, "In hoc signo victor eris.

The Greeks excelled in the beauty and idealism of their coins, and most of the Roman pieces were struck from dies made by Greek artists, and these latter are more valuable, on account of the faithfulness with which they portray individu I likenesses, such Nero, Antonia, the Antonines, Faustinas, Casars, Alexander, and others, and in recording events celebrated historically, as the crowning of Ptolemy Epiphanes by Lepidus, the introduction of el-phants into Rome by Metelins, the construction of the Colosseum by Nero and Venpusian, the over-throw of Judea by Titus, and all grand changes in the history of the world.

The Roman coinage commenced about 230 or 240 B. C., with the massive copper ms grave, and about 170 B. C. gold and families under permits from the state. An immense number were also struck in the provinces conquered by Itome.
With Julius Cusar commenced the im-

partal series, which lasted until A. D. 476. After that ru er the begute reserved to itself the right of a riking copper of wear an money, which was for a long period the least, marked S. C. (Sauntes Consults).

authorities to be durived from the Latin. Monete, because the Roman mint stond in the temple of June Moneter but

person and no banks of deposit, and had or coming handling, there are no honger to second their accountains much wealth in be classed on "drill at France," but to the card and clarators, and that the are still carried "Fronts."

BIBLICAL OR JEWISH COINS.

least degree visible. Fair, are those well worn, but which still show every portion of the design, all

letters and entire date. Very Fair, applies to those on which every mark, letter and figure is well defined, with only the high, fine hair lines

EARLY UNITED STATES COINS.











WASHINGTON CENT, 1791.

(auch as hair, feathers in wings and like very delicate | oints) are worn off.

Fine coins are those berely worn, but which, under critical examination, show traces of wear in the rubbed surface of silver coins were issued by various Roman | the finer lines. No scratches or "nicks" mentioned before examination.

Very Fine, means that a coin has the well-defined lines and anyface of a piece that has been little in circulation or contact, and that it shows very slight traces of wear and is not scratched or nicked in

The word "mency" is claimed by many free from wear or scratches, and has the fruit is all spoiled by the front, the appearance of a price just dropped from well water sin't fit to drink any more, the coin ng pross,
Brilliant Proof coins have a hornished,

though the mint employee here num- mirror-like, reflective surface; the diss bered tens of thousands or men sugaged and planelate both being polished before in striking outur, yet an immense amount striking these cuties, which are made aswas prelimed less that the Homans some as solid to tatained, even by much mer boarders. New York Hoghly.

7. COPPER COIN of Simon, son of Gioras, under the first revolt of the Jews. ther purpose.

The Size of Coins in this country is and palm branch. Legend: SECOND YEAR

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also in confirming history, no science has Classification of Coins: Poor coins are trumpets. Legend: The Deliverance borne a more important part. Classification of Coins: Poor coins are trumpets. Legend: The Deliverance those on which the design, lettering or OF JERUSALEM. This coin was origindate are almost undecipherable, in the ally a Denarius of Trajan, which has been re-struck. *

Of the Roman money mentione i in the New Testament, its value in present United States standard would be as fol-

Dollars. cts.0 0.3430 0.687 A Mite. 0 0,3
A Farthing, about 0 0,6
A Penny, or Denarius 0 13.7
A Pound, or Mina. 13 73
A. M. SMITH. MINNEAPOLIS, Minn.

What Bacteria Are.

The great majority of these micro-

scopic plants are what botanists call bacteria, the smallest form of vegetable life, says Fred D. Chester in St. Nicholas. So small are they that it would take, in some cases, as many as fifteen thousand of them arranged in a row to extend an inch. They have different forms, some being round, some oval, some red-shaped, and others much the shape of a corkscrew, or spiral. In all cases they are so small that one needs a powerful microscope to study them, and in no case can we perceive them singly with the naked

When countless millions of them are grouped together in a mass or colony, we can see them about as we are able to see at a great distance an approaching army, of which we are totally unable to distinguish a single soldier. We have said that these bacteria move about; and this is true of most of them, although there are some which do not appear to move at all, but remain fixed where they find a good feeding-place. Those that have motion behave in a very peculiar manner: some wobble about in one place without moving forward in the least; others dart hither and thither, back and forth, at an apparently furious rate, rocking and twirling about, and turning a hundred somersaults as they move along.

Bacteria multiply very rapidly, and they do this in a strange way. A single one breaks itself in two; then each half grows to be as large as the first. Then these, in turn, divide up again, and so on, until from a single one we have many thousands in a short time. To give you the figures, such as they are, a single one can multiply at so enormous a rate that in forty-eight hours it can produce something like 280,000,000,000 of bacteria. Great consequences follow this enormous increase of bacteria, for while one so are permi-sible in "fine" coins, unless small in itself can do little, the army resulting from the multiplication of one is able to accomplish much.

Farmer Acorn-"I don't see what we're goin ter do, Mirander. The gar-Uncirculated, implies that the coin is den crops is all rotted by the rain, the and every cow we've got has gone dry won't have a drop o' milk for three

Cheerful Helpmate "Never mind,

A union that has been often todured is tough.

SPARKS OF WIT.

A two foot rule. Stand on your own A BURNING question-have you s

match?

their hay is when it rains pitchforks. it, too," said the sympathetic steward

COLONEL YERGER-Well, how did

you like the picnic? Gilhooly—I was so glad to get home again that I was

MISS DE PRIDE-I wouldn't marry him if he were the last man on earth. Rival belle-Indeed, you wouldn't. I'd

Mamma-Now, don't you want to be good, Johnny, and go to heaven some day? Johnny (doubtfully)—Yes'm; but I'd rather go to the circus first.

"No; I camped out last year." "Why don't you camp out this year?" "I just told you. I camped out last year."

JOHNNY'S mother writes: "Do you think it best to let a boy learn to whistle?" Certainly; some day you may want him to hull the strawberries. I Young husband-Who is that fellow you have been chatting with all the evening? Pretty wife-Oh, he isn't anybody-merely one of my old lovers.

STRANDED: "Yes, the yacht was completely wrecked; but the captain saved himself by clinging to the bight of a rope." "H'm! His bark appears to have been worse than his bight."

SMARTFELLOW (anxious to poke fun at an old maid) -Let me see. It's long time since we last met, is it not, Miss Antique? Miss Antique—A very long time. How well that suit of clothes has hung together?

Young husband—My dear, some of my garments are sadly in need of buttons. Young wife—Yes, my love, I noticed that, and have sent for my mother. She is a splendid hand at sewing on buttons.

FLORIST (to committee)-You want an appropriate floral design, do you? What was the decedent's business? Spokesman—He was an attorney. Florist—How would something in the shape of a lyre strike you?

"AH, I see you have your son with you in business. This must make it very pleasant for you." "Yes, it does, There is nothing like it. He can take a few days off at any time, and the

FARMER'S son-Pa, I'm convinced that my mission in life is to save souls, 8. SILVER COIN of Simon Bar- and with your permission I'll begin the Cochab, during the second revolt of the work at once. Old farmer—Well, if Jews, Obverse Legend: Simon, around you've concluded to learn a trade, go A. M. Smith's Authorative, Standard a cluster of grapes. Reverse: Two shead. I s'pose a sole busines; is as good as any!

"Go WHERE there is the most sin, sir," said the old elergyman's coach-THE Widow's Mitt.—The Illustration here given is an exact copy of the specimen of that coin now in the coin cabinet of the United Stotes Mint in Philadelphia. would be the most sin. So he accepted the call which offered the most substantial salary.

THE SENTIMENTAL LOVER AND THE PRAC-

TICAL MAIDEN. Come, let us walk, love, 'neath the moon, Which brightly beams on high, Enjoy the balmy breath of June, And list the zephyr's sigh.

I would not walk beneath the moon, However bright her beam; I'd rather go to a saloon And eat a dish of cream.

Impressions of President Lincoln. Gen. Henry G. Thomas, U. S. A., in a speech, recently delivered in Portland, Maine, thus gives his impression of President Lincoln on his visit dur-

ing the war to the Army of the James. At 10 a. m. the President appeared, Gen. Weitzel riding on his left. I had command of the First Division, Twenty-fifth Corps, that day, and the first to be reviewed, and as the President halted to receive the salute his eyes lighted for the first time on that uniformed mass of freedmen, and his rugged face was illuminated by a smile the like of which for benignity I have never seen. President Lincoln, as we know, was one of those who 'saw visions and dreamed dreams, and I have always believed, such was the light of his countenance, that he had a prophetic vision that very day that all his love and labor for the slave was not to be in vain. He managed his horse well, and sat with ease upon him, but rode loosely, carelessly, letting his legs sway and his arms flop up and down. He had evidently ridden a good deal and never given thought as to how he rode or looked. His wonderful appearance of length struck me very forcibly. He was only two and a-half inches taller than Gen. Weitzel, who was thin even to meagerness, and yet Weitzel looked actually stubby in comparison. Add to this loose way of riding that his tall hat had settled down behind almost on to his neck, and showed his forebead and a tuft of hair like a zouave, and that his trousers had worked up nearly to the tops of his stockings and that he wore low-cut shoes, and you can appreciate Capt. Bob Lincoln's remark after the ceremony was through, as his father approached a group of which Admiral Porter was the center. It was, "Well, father doesn't seem to handsome much,

Not Related. Thus the Louisville Courier-Jour-

mal answers an inquiring subscriber: The supposition among newspaper proofreaders that Miss Susan B. Anthony is a sister of the late Mark Autony, of Rome, has led to a frequent error in spelling the name of the Roman leader. While Miss Anthony's name is always spelled with an h, her supposed brother used no h's whatever. At least, pune can be found in his name on any of the hotel registers of his day. The h in Miss Anthony's name may be merely a bit of feminine affectation. Mark Autony's name should no more be spelled with an h than Sameon's should appear with a p-

Yes (Cless) A LEARNED judge—the literary prictic. A GOOD time for farmers to get in heir hay is when it rains pitchforks. "You can't eat your dinner and have to " will the property of the literary of

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